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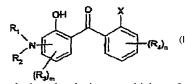
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(54) Title: USE OF BENZOPHENONE UV FILTERS FOR PREVENTING TANNING



(57) Abstract: The invention describes the use of organic UV filters of formula (I) wherein R, and  $R_2$ , 'independently from each other are hydrogen,  $C_1$ - $C_2$ , alkyl,  $C_2$ - $C_{10}$ alkenyl,  $C_3$ - $C_{10}$ cycloalkenyl, or R, and  $R_2$  togethér with the nitrogen atom to which they are bonded can form a 5- or 6-membered ring;  $R_3$  and  $R_4$ , independently from each other are  $C_1$ - $C_{20}$ alkyl,  $C_2$   $C_{00}$ alkenyl,  $C_3$ - $C_1$ 2cycloalkyl,  $C_3$ - $C_1$ 0cycloalkenyl,  $C_1$ - $C_1$ 2alkoxy,  $C_2$ 0cycloalkoxycarbonyl,  $C_1$ - $C_2$ 1kylamino,  $C_1$ - $C_1$ 2dialkylamino, aryl, heteroaryl, optionally

substituted, substituents which confer solubility in water, chosen from the group consisting of a nitrile group, carboxylate, sulfonate or ammonium radicals; X is hydrogen, COOR<sub>5</sub>, CONR<sub>6</sub>R<sub>7</sub>; R<sub>5</sub>, R<sub>8</sub> and R<sub>7</sub>, independently from each other are hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>2</sub>-C<sub>10</sub>alkenyl, C<sub>3</sub>-C<sub>0</sub>cycloalkyl, C3 C<sub>10</sub>cycloalkenyl, (Y-0),,-Z-aryl; Y is -(CH<sub>2</sub>)2, -(CH<sub>2</sub>)3, -(CH<sub>2</sub>)4-, -CH(CH<sub>3</sub>)-CH<sub>2</sub>; Z is -CH<sub>2</sub> CH<sub>3</sub>, -CH<sub>2</sub>-CH,CH<sub>3</sub>, -CH<sub>2</sub> CH<sub>2</sub> CH<sub>2</sub> CH<sub>3</sub>, -CH(CH<sub>3</sub>)-CH,; m is from 0 to 3; n. is from 0 to 4; o is from 1 to 20; for preventing tanning human skin, and their use in cosmetic and pharmaceutical formulations, as anti-wrinkling agents, skin-firming agents and as anti-skin lifting agents.

